

Date: Wed, 7 Jul 93 10:23:18 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #199
To: packet-radio

Packet-Radio Digest Wed, 7 Jul 93 Volume 93 : Issue 199

Today's Topics:

 commercial use of packet
Guide to the Personal Radio Newsgroups
 Help: Commodore Pet
 Help: KPC3 & com2 (2 msgs)
 Is it broadcasting? (2 msgs)
 JNOS Devop
 Multimode suggestions wanted
 NET/Mac 2.3.19 or 2.3.20 ? (2 msgs)
Pt 2/2: Front End for FOSSIL and Packet
 selecting configuration for JNOS
 WANTED: Internet -> TCP/IP gateways

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 7 Jul 93 13:10:42 GMT
From: news-mail-gateway@ucsd.edu
Subject: commercial use of packet
To: packet-radio@ucsd.edu

I'm trying to locate information on how packet radio can be used in a non-
amateur-radio (commercial) setting. Are there any educational
institutions or businesses which use packet radio for computer
service/data delivery?

A librarian at UCSD (I think) used to have some activity, but I haven't
heard much lately. I'd be especially interested in organizations which

utilized ITFS transmission media/licenses/etc.

Specific application consists of locating computer terminals without using leased phone lines, including mobile and temporary fixed locations.

How does a main-frame handle communications among multiple terminals?

Replies to Paul Marsh, Metropolitan Community College, Omaha
pmarsh@metro.mccneb.edu

Date: Wed, 7 Jul 1993 16:27:53 GMT
From: nevada.edu!news.unomaha.edu!news@uunet.uu.net
Subject: Guide to the Personal Radio Newsgroups
To: packet-radio@ucsd.edu

Posted-By: auto-faq 2.4
Archive-name: radio/personal-intro
Revision: 1.4 06/30/93 12:04:14
Changes: new rec.radio.amateur.* newsgroups, cs.utexas.edu gateway

(Note: The following is reprinted with the permission of the author.
Due to the recent reorganization, it is also on a temporarily-
accelerated posting schedule as follows:

July weekly
August bi-weekly
September back to monthly)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info, and rec.radio.swap newsgroups. It is intended to serve as a guide for the new reader on what to find where. Questions and comments may be directed to the author, Jay Maynard, K5ZC, by Internet electronic mail at jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 30 June 1993 to add the groups created during the latest reorganization vote and the description of the cs.utexas.edu gateway.

History
=====

Way back when, before there was a Usenet, the Internet hosted a mailing list for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions were held on the mailing list, and sent to the mailboxes of those who had signed up for it. When the Usenet software was created, and net news as we now know it was developed, a newsgroup was created for hams: net.ham-radio. The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began to dominate other topics in the group and on the list. This resulted in the logical solution: a group was created to hold the packet discussion, and another corresponding mailing list was created as well: net.ham-radio.packet and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great Renaming essentially unchanged, moving from net.ham-radio[.packet] to rec.ham-radio[.packet]. Readership and volume grew with the rest of the network.

The INFO-HAMS mailing list was originally run from a US Army computer at White Sands Missile Range, SIMTEL20. There were few problems with this arrangement, but one was that the system was not supposed to be used for commercial purposes. Since one of hams' favorite pastimes is swapping gear, it was natural for hams to post messages about equipment for sale to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use restriction, and after some argument, a group was created specifically for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Klufft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to

the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups:

rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

=====

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, has not been removed as of this writing, but it is obsolete, and you should use .digital.misc instead. The group has the .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. The neverending no-code debate goes here, as does the New Jersey scanner law, the legality of ordering a pizza on the autopatch, what a bunch of rotten no-goodniks the local frequency

coordinating body is, and so on.

The other added group is `rec.radio.cb`. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in `rec.ham-radio` in the past; please do not cross-post to both `rec.radio.cb` and `rec.radio.amateur.*` unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The `rec.radio.info` group is just what its name implies: it's the place where informational messages from across `rec.radio.*` may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar propagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is `rec-radio-info@ve6mgs.ampr.ab.ca`. Inquires and other administrivia should be directed to `rec-radio-request@ve6mgs.ampr.ab.ca`. For more information about `rec.radio.info`, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups `rec.radio.amateur.antenna`, `.equipment`, `.homebrew`, and `.space` are for more specialized areas of ham radio: discussions about antennas, commercially-made equipment, homebrewing, and amateur radio space operations. The `.equipment` group is not the place for buying or selling equipment; that's what `rec.radio.swap` is for. Similarly, the `.space` group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's `rec.crafts.brewing`), but rather construction of radio and electronic equipment by the amateur experimenter.

The `rec.radio.amateur.misc`, `.packet`, and `.policy` groups, and the `rec.radio.info` group, are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to `listserv@ucsd.edu` for instructions on how to use the mail server. The `rec.radio.swap` group is not available for reading by electronic mail. At this writing, the most recently added groups are also not available for reading by electronic mail, although that may change.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the `'.'`'s with `'-'`'s - for example, `rec.radio.swap` becomes `rec-radio-swap` - and send to that name@cs.utexas.edu (`rec-radio-swap@cs.utexas.edu`, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at

UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting

=====

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.

"If my car ran OS/2, it'd be there by now" -- bumper sticker

GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

Celebrating 60 years of the Univ. of Maryland ARA - W3EAX (1933-1993)

Date: 5 Jul 93 20:59:31 GMT

From: usc!math.ohio-state.edu!darwin.sura.net!news-feed-1.peachnet.edu!concert!
duke!wolves!psybbs!fredmail@network.UCSD.EDU

Subject: Help: Commodore Pet

To: packet-radio@ucsd.edu

Organization: Hewlett-Packard Canada Ltd, Dieppe, N.-B.

A group here have come across some Commodore Pets, the 8032 and 9000 SuperPet, with no documentation. Can these be used for Packet? Any information on port pin outs, memory maps, schematics or manuals would be appreciated.

73 de Michel

Michel Landry michell@canada.hp.com
Dieppe, New Brunswick, Canada VE1MDL

Date: 4 Jul 93 13:34:09 GMT
From: swrinde!gatech!concert!duke!wolves!psybbs!fredmail@network.UCSD.EDU
Subject: Help: KPC3 & com2
To: packet-radio@ucsd.edu

Organization: Express Access Online Communications, Greenbelt, MD USA

I have a KPC-3 that I am attempting to connect to my system. I have an internal modem that uses com2 and an external port on com2 that I have connected to the KPC-3.

Am I allowed to use the external port even if there's an internal board that uses it (but obviously not at the same time)? My TNC program (KaGold) won't recognize the connection and says there's a communications problem.

What's the solution? I hope it doesn't mean I have to install a board to get another serial port.

Thanks for your help.

Todd Carter
Alexandria, VA
tcarter@access.digex.net

Date: 4 Jul 93 16:01:11 GMT
From: usc!howland.reston.ans.net!gatech!concert!duke!wolves!psybbs!fredmail@network.UCSD.EDU
Subject: Help: KPC3 & com2
To: packet-radio@ucsd.edu

Organization: University of San Francisco

Todd W. Carter (tcarter@access.digex.net) wrote:

: I have a KPC-3 that I am attempting to connect to my system. I have an
: internal modem that uses com2 and an external port on com2 that I have
: connected to the KPC-3.

: Am I allowed to use the external port even if there's an internal board
: that uses it (but obviously not at the same time)? My TNC program
: (KaGold) won't recognize the connection and says there's a communications
: problem.

: What's the solution? I hope it doesn't mean I have to install a board to
: get another serial port.

Well, I am going to assume for the sake of argument that you are using
COM1 for a mouse or something like that. Now being that you are using an
internal modem, there should be some jumpers on it to switch the com
port. What you will want to do is switch it to com 4 (because if you are
using something on COM1 like a mouse, the IRQ which it shares with COM3
will make the operation of one or the other [mouse and/or modem]
non-existent!). Now you can plug your KPC up and use your favorite term
program to do packet. Since every modem is different, I would suggest
that you dig through the manual to find the correct jumpers or switches
for the modem.

Regards,

--

* Kim C. Callis *
* Univ. of San Francisco, San Francisco, CA *
* EMAIL: callis@usfca.edu or callis@dons.ac.usfca.edu *

DISCLAIMER: As long as nothing I say attempts to represent the
views of the Univ. of San Francisco, they could care less what I
have to say. Meaning that anything said, like it or not, is strictly
my own personal opinion and views.

Date: 5 Jul 93 20:14:26 GMT

From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!concert!
duke!wolves!psybbs!fredmail@network.UCSD.EDU

Subject: Is it broadcasting?

To: packet-radio@ucsd.edu

Organization: University of Minnesota

I'm new to packet and don't know how to recognize what is appropriate.
There is a local station that sends unconnected packets with an

occasional message imploring people to pray for and condemn the "slaughter of the unborn" in a reference to abortion.

Is this sort of thing legal? Does the FCC allow packet braodcasting or look the other way? The other station contends that since the message isn't obscene he has a right to send it. Is packet on the regulatory frontier or do I need a new license manual?

Thanks!

jeffrey NOIRR

Date: 6 Jul 93 06:28:20 GMT

From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!concert!duke!wolves!psybbs!fredmail@network.UCSD.EDU

Subject: Is it broadcasting?

To: packet-radio@ucsd.edu

Organization: UK Centre for Lemur Fandom

In article <weiss.741878071@staff.tc.umn.edu> weiss@staff.tc.umn.edu () writes:

>I'm new to packet and don't know how to recognize what is appropriate.

>There is a local station that sends unconnected packets with an

>occasional message imploring people to pray for and condemn the "slaughter of the unborn" in a reference to abortion.

>

>Is this sort of thing legal? Does the FCC allow packet braodcasting or look

>the other way? The other station contends that since the message isn't

>obscene he has a right to send it. Is packet on the regulatory frontier or

>do I need a new license manual?

In the UK, that's definitely extremely illegal, the use of amateur radio for political and religious purposes is expressly forbidden. It damn well should be in the US as well, but owing to all the flag-wavers shouting 'First Amendment' all the time and whining about rights, it probably isn't.

Sorry for minor flame, but use of packet for that sort of thing annoys me no end. That's not what amateur radio is for. It's on the same line as in the UK, some stations contending that they have a right to send whatever they want over the network because they have a license - which is of course wrong, as the wonderful network we have is all courtesy of the operators who allow others to use their equipment. Talking about having a 'right' to do with other people's equipment exactly what you wish, er, also annoys me no end. Ho hum.

Gosh, I am a bad-tempered sod..

73 Mike

--
+----- 0 Mike Knell, University of Nottingham, UK -+
| Nevertheless.. -/ \- Internet: eeyimkn@unicorn.nott.ac.uk |
| the Turtle Moves! -_/- AX25: g7gpa@gb7bad.#23.gbr.eu |
+--M.T.V. - GET OFF THE AIR!-- | AMPRnet: mpk@hobbes.g7gpa.ampr.org -----+

Date: 5 Jul 93 01:29:14 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!concert!
duke!wolves!psybbs!fredmail@network.UCSD.EDU
Subject: JNOS Devop
To: packet-radio@ucsd.edu

Organization: The Amiga GateWay BBS * New Orleans, La.

HI All,

I have there was a newsgroup or mail list for Jnos users. Can someone
please send me the info again..

73 de Angelo

-- Via DLG Pro v0.995

Internet:angelo_glorioso_III@agwbbs.new-orleans.LA.US
Usenet:rex!agwbbs!angelo_glorioso_III
Packet:N5UXT @ N5UXT.#NOLA.LA.USA.NA
Tcp/ip:N5UXT.AMPT.ORG [44.108.2.13]

Date: 7 Jul 1993 15:10:59 GMT
From: pipex!bnr.co.uk!bnrgate!corpgate!crchh327.bnr.ca!crchh7b0!
debaker@uunet.uu.net
Subject: Multimode suggestions wanted
To: packet-radio@ucsd.edu

Greetings,

I am interested in hearing from anyone who has either an MFJ 1278
or a KAM/KAM Plus. These two units seem to be very similiar,
but the MFJ really appears to offer more for the money, but the
KAM seems like better quality... How about modems? The MFJ
looks like it can easily be upgraded to 2400 or 9600, but the

KAM is not, right? (or requires thier Data Engine?) Please send email with your experiences (good and bad) and any recommendations on these products, or any other comparable devices.

Thanks!

73

```
-----
| David E. Baker                Opinions expressed are |
| Callsign: KJ5ML              mine, and they do not   |
| Internet: debaker@bnr.ca     necessarily reflect    |
| IP Addr:  47.122.65.7        the opinions of BNR or   |
| Unix ID:  crchh7b0           or Northern Telecom.    |
|-----|
```

```
-----
Date: Wed, 07 Jul 93 06:51:23 -0400
From: psinntp!wlnntp.psi.com!usenet@uunet.uu.net
Subject: NET/Mac 2.3.19 or 2.3.20 ?
To: packet-radio@ucsd.edu
```

Paul... I have all of the releases here if you are not able to find them at ucsd.edu. But the latest release is now 2.3.24 and it is a complete package, not just an update. If you'd like that version let me know and I'll send it your way.

Terry Stader-KA8SCP
America Online Ham Radio Club Host
KA8SCP@WA1PHY.#EMA.MA.NOAM

```
>DATE:   Mon, 5 Jul 1993 14:17:01 GMT
>FROM:   Paul Russell <paulr@syma.sussex.ac.uk>
>
>I'm trying to get hold of the latest version of NET/Mac. On ucsd.edu
>there is a patcher program which will take version 2.3.19 to 2.3.20
>but the latest version that appears to be available anywhere on the
>Internet (according to Archie) is 2.3.15. So does anyone have either
>version 2.3.19 or 2.3.20 that they could e-mail to me, or alternatively
>a pointer to an FTP site where I can get either of these versions ?
>
>Thanks,
>
>//Paul (G4BWQ)
>
>--
>| Paul Russell                | Internet: paulr@syma.sussex.ac.uk |
```

>| Experimental Psychology | AppleLink: EP.SUSSEX |
>| Sussex University, Falmer | Telephone: +44 273 606755 x2793 |
>| Brighton BN1 9QG, England | Facsimile: +44 273 678433 |

Date: 5 Jul 93 21:17:11 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!concert!
duke!wolves!psybbs!fredmail@network.UCSD.EDU
Subject: NET/Mac 2.3.19 or 2.3.20 ?
To: packet-radio@ucsd.edu

Organization: University of Sussex

I'm trying to get hold of the latest version of NET/Mac. On ucsd.edu there is a patcher program which will take version 2.3.19 to 2.3.20 but the latest version that appears to be available anywhere on the Internet (according to Archie) is 2.3.15. So does anyone have either version 2.3.19 or 2.3.20 that they could e-mail to me, or alternatively a pointer to an FTP site where I can get either of these versions ?

Thanks,

//Paul (G4BWQ)

--
Paul Russell	Internet: paulr@syma.sussex.ac.uk
Experimental Psychology	AppleLink: EP.SUSSEX
Sussex University, Falmer	Telephone: +44 273 606755 x2793
Brighton BN1 9QG, England	Facsimile: +44 273 678433

Date: 5 Jul 93 00:14:22 GMT
From: usc!math.ohio-state.edu!darwin.sura.net!news-feed-1.peachnet.edu!concert!
duke!wolves!psybbs!fredmail@network.UCSD.EDU
Subject: Pt 2/2: Front End for FOSSIL and Packet
To: packet-radio@ucsd.edu

Amateur Packet ax25: wb7tpy@wb7tpy.az.usa.na

Date: 4 Jul 93 14:11:15 GMT
From: usc!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!concert!duke!
wolves!psybbs!fredmail@network.UCSD.EDU
Subject: selecting configuration for JNOS
To: packet-radio@ucsd.edu

Organization: Biztech, Inc.

I'm trying to compile JNOS using TC++ 3.0, and (as I was warned in the README) I was not able to link using the supplied config.h files, due to dgroup space limitations.

So, I went into config.h and undef'd a bunch of things I don't really need, including the bbs and netrom stuff.

Afterwards, I WAS able to link, but I had a few problems. Any assistance would be greatly appreciated.

The problems are:

- 1) the executabe is huge (400+k)
- 2) it doesn't work (errors freeing unallocated memory, quickly followed by freezing).

I don't have pklite. Is this a major problem, and if so, are there any options? What exactly does pklite do?

Is there a trick to downsizing NOS other than modifying config.h??

Are there certain things which MUST be linked in?

Also, I am curious about the MULTITASK feature. Does this mean that when shelling to DOS, NOS continues to run?

I have defined MULTITASK and undefined XSPAWN.

Thanks,
Ben Mehlman KB2ERP
bmehlman@biztech.com

Date: 4 Jul 93 13:18:08 GMT
From: swrinde!gatech!concert!duke!wolves!psybbs!fredmail@network.UCSD.EDU
Subject: WANTED: Internet -> TCP/IP gateways
To: packet-radio@ucsd.edu

Organization: Sydney University Computing Service, Sydney, NSW, Australia

<C70861@TRMETU.BITNET> writes:

>account on the gateway:I have bad experience with that as my packet and
>internet emails addressed to gateways sysops have been integrally discarded

>and not replied...i am not discouraging but just stating things as they are...

I would be very surprised if you leave a valid mail address you don't get a reply.

The gateway operators have no reason not to reply to reasonably made requests.

Terry

--

End of Packet-Radio Digest V93 #199
